IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re application of:

Confirmation No.: 2985

Reddy et al.

1626 Art Unit:

Appl. No.: 10/698,924

Examiner:

Taofiq A. Solola

Filed: October 31, 2003

Atty. Docket: 2358.0180003/RWE/AES

For: Novel Cyclic Phosphate Diesters of

1,3-Propane-1-Aryl Diols and

Their Use In Preparing Prodrugs

Third Supplemental Information Disclosure Statement **Filing Under 37 C.F.R. § 1.97(b)**

Mail Stop RCE

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Listed on accompanying Forms PTO/SB/08A and PTO/SB/08B are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98. This Third Supplemental Information Disclosure Statement is a continuation of Applicants' Second Supplemental Information Disclosure Statement filed on January 20, 2006 in connection with the above-captioned application.

Copies of documents FP1 to FP3 and NPL1 to NPL19 are submitted. However, in accordance with 37 C.F.R. § 1.98(a)(2), copies of documents US1 to US3, U.S. patents and patent application publications cited on the attached Form PTO/SB/08A, are not submitted.

In accordance with 37 C.F.R. § 1.98(a)(3), Applicants' undersigned representative submits the following discussion of the relevance of non-English language documents FP1, FP2, FP3, NPL9, NPL13, and NPL15 cited on Form PTO/SB/08B:

Document FP1, NL6511420, is in a foreign language. U.S. Pat. No. 3,328,388, cited as document US1, is believed to be an English language equivalent of document FP1.

Document **FP2**, WO 95/07287 A1, is in the French language. U.S. Pat. Appl. Publ. No. US 2002/0120130 A1, cited as document **US2**, and U.S. Pat. Appl. Publ. No. US 2005/0101776 A1, cited as document **US3**, are both believed to be English language equivalents of document FP2.

Document **FP3**, WO 97/49717 A1, is in the Russian language. An English language abstract of document FP3 is attached on accompanying PTO/SB/08B as document **NPL18**. An English language abstract of document FP3 is also located on the face page of the document.

Document **NPL9**, "SARTILLO-PISCIL, F., *et al.*, "Fosfato-ésteres cíclicos diastereoisoméricos: 5-bromo-4-fenil-2-fenoxi-2-oxo-1,3,2-dioxafosforinanos, precursores de radicales libres alquilo β-fosfatoxi y generadores de radicales catiónicos en medio no oxidativo," *Revista de la Sociedad Química de México 46*:330-334, Sociedad Química de Mexico (2002), is in the Spanish language. An English language abstract of this document is located on the face page of document NPL9. In addition, an unverified English language translation of document NPL9 is attached as document **NPL10**.

Document **NPL13**, TAKAKU, H., et al., "Synthesis of Deoxyribooligonucleotides Using Cesium Fluoride by the Phosphotriester Approach," *Nippon Kagaku Kaihsi (no. 10)*:1968-1973, The Chemical Society of Japan, Inc. (1985), is in the Japanese language. An English language abstract of this document is located at the end of document NPL13. In addition, an unverified English language translation of document NPL13 is attached as document **NPL14**.

Document **NPL15**, THUONG, N.T. and Chabrier, P., "New Method for Preparation of Phosphoryl choline, of phosphoryl homocholine and their derivatives," *Bull. Soc. Chim. France 1-2*:667-671, Masson and Co. (1974), is in the French language. An unverified English language translation of document NPL15 is attached as document **NPL16**.

In accordance with the recent Federal Circuit decision in *Dayco Prods., Inc. v. Total Containment, Inc.* 329 F.3d 1358 (Fed. Cir. 2003), Applicants submit herewith an Office Action, which is directed to related technical subject matter:

Office Action for related U.S. Patent Application No. 10/698,928, inventors Boyer, S., *et al.*, filed October 31, 2003, mailed July 5, 2005, cited herein as document **EV.**

The identification of this Office Action is not to be construed as a waiver of secrecy as to that application now or upon issuance of the present application as a patent. The Examiner is respectfully requested to consider the cited application and the art cited therein during examination.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached IDS Forms based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.

It is respectfully requested that the Examiner initial and return copies of the enclosed IDS Forms, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Ann E. Summerfield Attorney for Applicants Registration No. 47,982

Date: May 4, 2006

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THIRD SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete if Known					
Application Number	10/698,924				
Filing Date	October 31, 2003				
First Named Inventor	K. Raja Reddy				
Art Unit	1626				
Examiner Name	Taofiq A. Solola				
Attorney Docket Number	2358.0180003/RWE/AES				

Equivalent of Form PTO/SB/08A (07-05)

			U.S. PATENT DO	OCUMENTS	
Examiner Initials	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages
muais	No.	Number-Kind Code ^{2 (If Known)}	WIWI-DD-1111	Applicant of cited Document	or Relevant Figures Appear
	US1	3,328,388	06/27/1967	Shen <i>et al</i> .	·
	US2	2002/0120130 A1	08/29/2002	Gosselin et al.	
	US3	2005/0101776 A1	05/12/2005	Gosselin <i>et al</i> .	;,
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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁴ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FP1	NL6511420	03/03/1966	Merck & Co., Inc.		
	FP2	WO 95/07287 A1	03/16/1995	Centre National de la Recherche Scientifique		
	FP3	WO 97/49717 A1	12/31/1997	Fedorov, I.I. et al.		Abs
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Examiner	 Date	
Signature	Considered	A. 10

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by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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WILLDO (CLIDDE E	n even	TO A T	Application Number	10/698,924	
THIRD SUPPLEMENTAL				Filing Date	October 31, 2003	
INFORMATION DISCLOSURE				First Named Inventor	K. Raja Reddy	
	STATEMENT BY APPLICANT			Art Unit	1626	
(Use as many sheets as necessary)			s necessary)	Examiner Name	Taofiq A. Solola	
Sheet	1	of	2	Attorney Docket Number	2358.0180003/RWE/AES	

		NON PATENT LITERATURE DOCUMENTS	च चि त्र र
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published	T ²
	NPL1	BRAESS, J. <i>et al.</i> "Oral Cytarabine Ocfosfate in Acute Myeloid Leukemia and non-Hodgkin's Lymphoma – Phase I/II Studies and Pharmacokinetics", <i>Leukemia</i> 12:1618-1626, Stockton Press (1998)	
	NPL2	CHABNER, B.A., "Cytidine Analogues", in <i>Cancer Chemotherapy: Principles and Practice</i> , Lippincott Williams & Wilkins (1990)	#1.70 13.75
	NPL3	CHABNER, B.A., et al., "Purification and Properties of Cytidine Deaminase from Normal and Leukemic Granulocytes", Journal of Clinical Investigation 53:922-931, American Society for Clinical Investigation (1974)	
	NPL4	COHEN, S.S. "The Mechanisms of Lethal Action of Arabinosyl Cytosine (araC) and Arabinosyl Adenine (araA)", Cancer 40:509-518, Wiley (1977)	
	NPL5	GRANT, S., "Biochemical Modulation of Cytosine Arabinoside", <i>Pharmac. Ther.</i> 48:29-44, Pergamon Press plc (1990)	
	NPL6	LEACH, W.B. et al. "Toxicity Studies in Mice Treated with 1-ß-D-Arabinofuranosyl-cytosine (ara-C)", Cancer Research 29:529-535, America Association for Cancer Research (1969)	
	NPL7	PLUNKETT, W. et al. "Pharmacologically Directed Ara-C Therapy for Refractory Leukemia", Seminars in Oncology 12(2) Supp. 3:20-30, W.B. Saunders (1985)	
	NPL8	RUSTUM, Y.M., et al. "1-ß-Arabinofuranosylcytosine in Therapy of Leukemia: Preclinical and Clinical Overview" <i>Pharmac. Ther.</i> 56:307-321, Pergamon Press Ltd. (1992)	
	NPL9	SARTILLO-PISCIL, F., et al., "Fosfato-ésteres cíclicos diastereoisoméricos: 5-bromo-4-fenil-2-fenoxi-2-oxo-1,3,2-dioxafosforinanos, precursores de radicales libres alquilo β-fosfatoxi y generadores de radicales catiónicos en medio no oxidativo," Rev. Soc. Quim. Mexico 46:330-334, Journal of the Mexican Chemical Society (December 2002)	Yes
	NPL10	English Translation of SARTILLO-PISCIL, F., et al., "Cyclic diastereoisomeric phosphate esters: 5-bromo-4-phenyl-2-phenoxy-2-oxo-1,3,2-dioxaphosphorinanes, free β-(phosphatoxy) alkyl radical precursors and cation radical generators in non-oxidative medium," Rev. Soc. Quim. Mexico 46:330-334, Journal of the Mexican Chemical Society (December 2002)	100

Examiner	Date	
Signature	Considered	. 7%

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Applicant's unique citation designation number (optional). Applicant is to place a check mark here if English language Translation is attached.

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	SUPPLE			Filing Date	October 31, 2003		
			CLOSURE	First Named Inventor	K. Raja Reddy		
STATE			PLICANT	Art Unit	1626		
	(Use as man	y sheets as	necessary)	Examiner Name	Taofiq A. Solola		
Sheet	2	of	2	Attorney Docket Number	2358.0180003/RWE/AES	1. 1. 2	
	NPL11	Carban	IA, N. <i>et al.</i> , "The Desi nate, <i>Capecitabine" Bi</i> e Ltd. (2000)	gn and Synthesis of a New Tu oorganic & Medicinal Chemist	umor-Selective Fluoropyrimidine try 8:1697-1706, Elsevier	, s	
	NPL12				Cytarabine) on Hepatocellular 6-129, W.B. Saunders (1997)		
	NPL13	Phosph	U, H., <i>et al.</i> , "Synthesiotriester Approach," <i>N</i> of Japan, Inc. (1985)	Nippon Kagaku Kaishi (no. 10)	es Using Cesium Fluoride by the 1:1968-1973, The Chemical	Yes	
	NPL14	Cesium	translation of TAKAK Fluoride by the Phos he Chemical Society	photriester Approach," Nippor	oxyribooligonucleotides Using n Kagaku Kaishi (no. 10):1968-		
THUONG, NT. and Chabrier, P., "Nouvelle méthode de préparation de la phosphorylcholine, de la phosphorylhomocholine et de leurs dérivés," <i>Bull. Soc. Ch France 1-2</i> :667-671, Masson and Co. (1974)				réparation de la 's dérivés," <i>Bull. Soc. Chim.</i>	Yes		
	NPL16	English translation of THUONG, N.T. and Chabrier, P., "New Method for Preparation of Phosphoryl choline, of phosphoryl homocholine and their derivatives," <i>Bull. Soc. Chim. France 1-2</i> :667-671, Masson and Co. (1974)					
	NPL17	Shorter	ning of PCA ₁₆ , A Metal	ation of the Peroxisomal ß-Oxibolite of the Cytosine Arabinosology 39(10):1505-1512, Perga	side Prodrug, YNK01, in Rat		
	NPL18 Dialog File 351, Accession No. 11683821, WPI English language abstract of WO 97/497 (Document FP3 listed on accompanying PTO/SB/08A form)						
	NPL19		f Office Action for Unit March 13, 2006	ed States Patent Application I	No. 10/698,928, Boyer <i>et al.</i> ,		

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Signature	Considered	, i,

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